



**PATENT**

CASE #C6556(V)  
UNUS #99-0096-DIV

**DRAFT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Coughlin et al.  
Serial No.: 09/447,644  
Filed: November 22, 1999  
For: CLEANING-IN-PLACE COMPOSITION AND METHOD FOR USING  
THE SAME

Group: 1751  
Examiner: J. Petruncio  
Edgewater, New Jersey 07020

**DRAFT AMENDMENT TO EXAMINER**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**In the claims**

Please cancel claims 1-8, 10 and 22, without prejudice or disclaimer.

Please amend claims 9 and 23 as follows:

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9. (Amended) A method for cleaning and disinfecting processing equipment, the method comprising the steps of:

- (a) delivering a cleaning-in-place composition to the processing equipment at a linear velocity from about 1.5 to about 2.5 meters per second and with a conduit having an inside diameter from about 0.25 cm to about 20 cm; and
- (b) removing the composition from the processing equipment,

wherein the composition comprises:

a halogen dioxide, the halogen dioxide being derived from a precursor alkali metal halite or alkaline earth metal halite, or both, the food processing equipment being brewery equipment, dairy equipment or beverage plant equipment.

23. (Amended) A method for cleaning and disinfecting processing equipment comprising the steps of:

- (a) supplying a CIP composition of a first pH to the processing equipment; and
- (b) supplying a CIP composition of a second pH to the processing equipment

wherein each CIP composition is supplied to the processing equipment at a linear velocity from about 1.5 to about 2.5 meters per second and with a conduit having an inside diameter from about 0.25 cm to about 20 cm, the processing equipment being brewing equipment, dairy equipment or beverage plant equipment.

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Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attachment is captioned "Version with Markings to Show Changes Made".

In the event the Examiner has any questions, he or she is kindly invited to contact the undersigned at his or her earliest convenience.

Respectfully submitted,

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**DRAFT**

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE****In the claims**

Please cancel claims 1-8, 10 and 22, without prejudice or disclaimer.

Please amend claims 9 and 23 as follows:

9. (Amended) A method for cleaning and disinfecting processing equipment, the method comprising the steps of:

- (c) delivering a cleaning-in-place composition to the processing equipment at a linear velocity from about 1.5 to about 2.5 meters per second and with a conduit having an inside diameter from about 0.25 cm to about 20 cm; and
- (d) removing the composition from the processing equipment,

wherein the composition comprises:

a halogen dioxide, the halogen dioxide being derived from a precursor alkali metal halite or alkaline earth metal halite, or both, the food processing equipment being brewery equipment, dairy equipment or beverage plant equipment.

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23. (Amended) A method for cleaning and disinfecting processing equipment comprising the steps of:

- (c) supplying a CIP composition of a first pH to the processing equipment; and
- (d) supplying a CIP composition of a second pH to the processing equipment

wherein each CIP composition is supplied to the processing equipment at a linear velocity from about 1.5 to about 2.5 meters per second and with a conduit having an inside diameter from about 0.25 cm to about 20 cm, the processing equipment being brewing equipment, dairy equipment or beverage plant equipment.



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RE: *C6556(V) - Amendment DRAFT*

*Coughlin ET. AL.  
S/N. 09/447, 644  
11/22/99  
Case - C6556(V)  
URIS # 99-0096-D, V*

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